

## ARG10169 anti-Helicobacter pylori CagA antibody [10E9]

Package: 500 µg

Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [10E9] recognizes Helicobacter pylori CagA
Tested Reactivity	H. pylori
Tested Application	ELISA, WB
Specificity	Cross-reaction with other proteins has not been identified.
Host	Mouse
Clonality	Monoclonal
Clone	10E9
Isotype	IgG2a, kappa
Target Name	Helicobacter pylori CagA
Immunogen	A highly immunogenic 32kD CagA fragment, recombinant
Conjugation	Un-conjugated

### Application Instructions

Application Note	<p>ELISA: Clone 10E9 can be used as capture antibody in sandwich ELISA. Anti-CagA clone 10E9 coated wells detect recombinant CagA antigen in combination with HRP conjugated anti-CagA clone 5C6, clone 3C10 and clone 3C1. In addition, clone 10E9 selectively detected cell lysate of a CagA containing H. pylori strain when HRP conjugated anti-CagA clone 3C10 was used.</p> <p>Western Blot: This clone detects the 32 kD band corresponding to the molecular weight of the recombinant CagA antigen (Immunogen).</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>
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### Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.0)
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Background	<p>Helicobacter pylori (H. pylori), a spiral rod shaped gram-negative bacterium, is frequently found in the stomach. In infected populations, 10-20% may develop gastritis and gastric ulcer and 1-2% may develop cancer. The genome of H. pylori isolates from carriers with symptoms contains a 40kb pathogenicity island encoding H. pylori cytotoxin, cytotoxin associated gene A protein (CagA) and other virulence associated factors. CagA is used as a biomarker for virulent H. pylori strains.</p>
Highlight	<p>Related products:  <a href="#">Helicobacter pylori antibodies</a>; <a href="#">Helicobacter pylori ELISA Kits</a>; <a href="#">Helicobacter pylori Duos / Panels</a>; <a href="#">Anti-Mouse IgG secondary antibodies</a>;</p> <p>Related news:  <a href="#">Tools for studying H. pylori diseases</a></p>
Research Area	Microbiology and Infectious Disease antibody